Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
40	Providing **chain link fencing** 50mm size of 8 gauge properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free end shall be welded to the pole and block pipe to the top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (PWD, S.R. 2016-17)(Page No. 262, item No. 37.3)									
	Basic Rate =	659.00								
	Area Weightage @8%=	52.72								
	Total Rate =	**711.72**	Sqm							
				59	2.50		1.50	221.25		
				.				**221.25**	**711.72**	**157468.05**
41	Providing and fixing **M.S.Gate** as per architects drawingusing 50 x50 mm 14 guage M.S. Hollow pipe frame work bent to ornamental shape and 35 x 6 mm and 16 x 16 mm square rods vertically alternatively spaced at 4 cmc/c/ in two halves and 40 x 6 mm M.S.Flats for horizontal member at top and cast iron spikes are provided at alternate vertical members (PWD, S.R. 2016-17)(Page No. 262 item No. 37.3)									
	Basic Rate =	2934.00								
	Area Weightage @8%=	234.72								
	Total Rate =	**3168.72**	Sqm							
				1	3.00		1.50	4.50		
				.				**4.50**	**3168.72**	**14259.24**
	Sanitory and water supply									
42	KSRB 11-6: Providing & fixing **white vitreous china clay , water closet European type (Pedestal type , S-Trap)** with black solid plastic seat and lid . CP Brass hinges , rubber buffers, 10 litre white glazed / vitreous china clay low level flushing cistern (all are approved make) with fittings C.I. /M.S. Brackets , 40 mm diameter flush bend fittings and clamps over flow arrangement with specials and 25 mm mosquito proof coupling of approved design , painting of fittings and brackets ,cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. (PWD, S.R. 2016-17)(p 77,, Item No.12.6)									
	Basic Rate =	4955.00								
	Area Weightage @8%=	396.40								
	Total Rate =	**5351.40**	Nos.							
	L.Toilet							1		
	G.Toilet							1		
								2	**5351.40**	**10702.8**
43	KSRB 11-11.2: Providing and fixing **white vitreous china clay, flat back wash basin size 630x450mm with a single of 15mm C.P brass pillar taps** with C.I / M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (PWD, S.R. 2016-17)(p 80,, Item No.12.23)									
	Basic Rate =	3886.00								
	Area Weightage @8%=	310.88								
	Total Rate =	**4196.88**	Nos.							
								4		
								4	**4196.88**	**16787.52**
44	ksrb13-6,1-2:Providing and fixing in position **brass bib cock** of approved quality 20 mm dia nominal bore including cost of materials, labour HOM of equipments with all leads complete with specifications Specification No.KBS 13.2.2./13.3 (PWD, S.R. 2016-17)(p 91,, Item No.13.24)									
	Basic Rate =	243.00								
	Area Weightage @8%=	19.44								
	Total Rate =	**262.44**	Each							
				6				**6**	**262.44**	**1574.64**
	SOIL & WASTE PIPE SYSTEM - INTERNAL									
45	Providing and fixing to wall, **ceiling and floor unplasticised PVC** 6kgs/sqm working pressure with pipe fittings, walll clips etc. and making good the wall , ceiling and floor for sanitary pipe lines including cost of all materials, labour HOM of acquirements and testing complete as per specifications.(PWD, S.R. 2016-17)(p 88,, Item No.12.116)									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	a) 75 mm dia									
	Basic Rate =	280.00								
	Area Weightage @8%=	22.40								
	Total Rate =	**302.40**	Rmt							
			15					15	302.40	4536.00
	b) 110 mm dia									
	Basic Rate =	412.00								
	Area Weightage @8%=	32.96								
	Total Rate =	**444.96**	Rmt							
			10					10	444.96	4449.60
46	Providing and fixing rigid PVC bend of required degree (of approved make) for S.W.R. drainage pipes of approved including lubricating.									
	Basic Rate =	520.00								
	Area Weightage @8%=	41.60								
	Total Rate =	**561.60**	Each							
				8				8	561.60	4492.80
47	Providing and fixing CI **Nahani trap** of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions of 12.5cms x 7.5cms (Rate is inclusive of cost of materials and fixtures and conveyanceof materials to work spot). (PWD, S.R. 2016-17)(p 88,, Item No.12.113.2)									
	Basic Rate =	285.00								
	Area Weightage @8%=	22.80								
	Total Rate =	**307.80**	No.							
				10				10	307.80	3078
48	KSRB - 12-8.1: Constructing brick masonry inspection chamber 600X600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M-15 with 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3 finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (PWD, S.R. 2016-17)(p 73,, Item No.11.50.1)									
	Basic Rate =	8954.00								
	Area Weightage @8%=	716.32								
	Total Rate =	**9670.32**	No.							
				1				1	9670.32	9670.32
	WATER SUPPLY SYSTEM - INTERNAL									
49	Providing and fixing **CPVC pipes** confirming to IS 15778 , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mt spacing . This includes jointing of pipes and fittings with one stepCPVC Solvent cement and cost of cutting chases and making good the same including testing of joints complete (concealed work including cutting chasea and good the walls etc.) (PWD, S.R. 2016-17)(pg.no.96 , i.no.13.86.2)									
	32mm dia									
	Basic Rate =	310.00								
	Area Weightage @8%=	24.80								
	Total Rate =	**334.80**	Rmt							
			5					5	334.80	1674.00
	25mm dia									
	Basic Rate =	250.00								
	Area Weightage @8%=	20.00								
	Total Rate =	**270.00**	Rmt							
			35					35	270.00	9450.00
50	KSRB-13-6.2-4 Providing and fixing in position **brass stop cock** of approved quality **32mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(PWD, S.R. 2016-17)(p 91,, Item No.13.29)									
	Basic Rate =	158.00								
	Area Weightage @8%=	12.64								
	Total Rate =	**170.64**	Each							
				8				8	170.64	1365.12

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
51	Providing and fixing in position **brass gate valve** with C.I. Wheel of approved quality (screed end) 5 mm nominal bore including cost of all materials , labour , HOM of equipments ith all lead , complete as per specifications(PWD, S.R. 2016-17)(p 91,, Item No. 13.32)									
	a) 32 mm dia									
	Basic Rate =	973.00								
	Area Weightage @8%=	77.84								
	Total Rate =	**1050.84**	Nos							
				2				2	1050.84	2101.68
	CORE CUTTING									
52	Core cutting for taking pipes and bore packing	LS						1	10000.00	10000.00
	EXTERNAL WORKS									
	EXTERNAL SEWAGE SYSTEM									
53	KSRB 2 - 2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.specification No.KBS 2.1(a)/2.3.5 (PWD, S.R. 2016-17)(p 5,, Item No. 2.3)									
	Basic Rate =	189.00								
	Area Weightage @8%=	15.12								
	Total Rate =	**204.12**	Cum							
				1	10	1	0.6	6		
								6	204.12	1224.72
54	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter **salt glazed stoneware pipes** grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5/12.7 (PWD, S.R. 2016-17)(p 170,, Item No.11.2)									
	Basic Rate =	353.00								
	Area Weightage @8%=	28.24								
	Total Rate =	**381.24**	Rmt							
				5				5	381.24	1906.20
55	**Refilling available earth around the pipeline**, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2016-17)(p 6,, Item No.2.11)									
	Basic Rate =	76.00								
	Area Weightage @8%=	6.08								
	Total Rate =	**82.08**	cum							
			6					6	82.08	492.48
56	Providing stoneware **gully trap** of approved quality and make fixing inm-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all materials, fixtures and lead). (15cms x10cms) (PWD, S.R. 2016-17)(pg.no.88, item no.12.112.2)									
	Basic Rate =	270.00								
	Area Weightage @8%=	21.60								
	Total Rate =	**291.60**	No.							
			2					2	291.60	583.20
	EXTERNAL WATER SUPPLY SYSTEM									
57	KSRB 2 - 2.1: Earthwork **excavation for foundation** of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.specification No.KBS 2.1(a)/2.3.5 (PWD, S.R. 2016-17)(p 5,, Item No.2.3)									
	Basic Rate =	189.00								
	Area Weightage @8%=	15.12								
	Total Rate =	**204.12**	cum							
				1	10	1	0.6	6		
								6	204.12	1224.72

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
58	KSRB - 13-3-6 Providing and fixing in **trenches galvanised medium grade 50mm dia** nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipments and testing complete as per specifications (From Sump to OHT)(PWD, S.R. 2016-17)(p 90,, Item 13.6)									
	Basic Rate =	510.00								
	Area Weightage @8%=	40.80								
	Total Rate =	**550.80**	Rmt.							
								0.6		
								0.6	**550.80**	**330.48**
59	**Refilling available earth** around the pipeline, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2016-17)(p 6,, Item No. 2.11)									
	Basic Rate =	76.00								
	Area Weightage @8%=	6.08								
	Total Rate =	**82.08**	cum							
								6		
								6	**82.08**	**492.48**
60	KSRB - 13-7-1.3 Providing and fixing 50mm dia nominal bore gun metal **non-return valve** horizontal type of approved make including cost of all materials,labour charges,HOM of equipments and testing complete as per specifications (PWD, S.R. 2016-17)(p 93,, Item No.13.55)									
	Basic Rate =	1496.00								
	Area Weightage @8%=	119.68								
	Total Rate =	**1615.68**	No.							
				2				**2**	**1615.68**	**3231.36**
61	KSRB - 13-11.1 Providing and placing on **terrace , polyethylene water storage tanks** (1000 ltr capacity) (PWD, S.R. 2016-17)(p 94,, Item No. 13.78)									
	Basic Rate =	8467.00								
	Area Weightage @8%=	677.36								
	Total Rate =	**9144.36**	No.							
				2				**2**	**9144.36**	**18288.72**
	Sump tank									
62	**Earthwork excavation for foundation** of structures as per drawings and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising /tramsporting the remaining earth locally upto1.0kms lead - Ordinary Rock (not required blasting)-Manual means (PWD, S.R. 2016-17)(Page No. 7, Item No.2.23.2)									
	Basic Rate =	71.00								
	Area Weightage @8%=	5.68								
	Total Rate =	**76.68**	Cum							
				1	2	2	3.2	12.80		
								12.80	**76.68**	**981.50**
63	Providing and laying in **position plain cement concrete** of mix 1:3:6 with OPC Cement @220kgs with 40mm and down size graded granite metal coarse aggregate @0.892 cum and fine aggregates @0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, 110M of machinery, curing complete as per specifications . Specification No. KBS4.1,4.2 (PWD, S.R. 2016-17)(Page No. 12, Item No.4.2)									
	Basic Rate =	5046.00								
	Area Weightage @8%=	403.68								
	Total Rate =	**5449.68**	Cum							
				1	2	2	0.1	0.40		
								0.40	**5449.68**	**2179.87**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
64	KSRB 4.2.1: Providing and laying in position **reinforced cement concrete of design I mix M25** with with OPC Cement @340 kgs with 20mm and down size graded granite metal coars aggregates @0.70 cum and fine aggregates @ 0.47cum with superplasticisers @3liters confirming to IS9103-1999 Reaffirmed -2008 at machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings , pedestals , retaining walls ,return walls ,walls(any thickness) including attached pilasters, columns , pillars, posts , struts, buttresses, bed blocks,, anchor blocks & plinth etc.including cost of all materials, labour, HOM of machinary, curing complete as per specifications. Specification No. KBS-4.1,4.6 Specification No. KBS4.1,4.6 (PWD, S.R. 2016-17)(Page No. 13, Item No.4.10)									
	Basic Rate =	6221.00								
	Area Weightage @8%=	497.68								
	Total Rate =	**6718.68**	Cum							
	Roof Beams			1	7.2	0.23	0.3	0.50		
	Roof Slab			1	1.6	1.6	0.2	0.51		
								1.01	**6718.68**	**6777.80**
65	KSRB 4-4.1 Extra for use of **water proofing** compound in Cement concrete of mix 1:1:2, at one kg of compound per bag of cement. (PWD, S.R. 2016-17)(Page No. 14, Item No.4.24)									
	Basic Rate =	255.00								
	Area Weightage @8%=	20.40								
	Total Rate =	**275.40**	Cum							
								1.01	**275.40**	**277.82**
66	KSRB 4-6.7: **Providing and removing centering, shuttering, strutting, propping** etc., and removal of from work for sides and soffits of **beams**, beam haunchings, cantilever griders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD, S.R. 2016-17) (Page No. 16, Item No.4.34)									
	Basic Rate =	256.00								
	Area Weightage @8%=	20.48								
	Total Rate =	**276.48**	Sqm							
	Beams			4	1.6		0.6	3.84		
								3.84	**276.48**	**1061.68**
67	KSRB 4-6.2: **Providing and removing centering, shuttering, strutting, propping** etc., and removal of from work for flat surface such as suspended floors, roofs landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specificationSpecification No. KBS 4.6.2 - 0-5.0mts Ht (PWD, S.R. 2016-17)(Page No. 15, Item No.4.29.2)									
	Basic Rate =	550.00								
	Area Weightage @8%=	44.00								
	Total Rate =	**594.00**	Sqm							
	Slab			1	1.6		1.6	2.56		
								2.56	**594.00**	**1520.64**
68	KSRB 5-14 : Providing and constructing **load bearing wall with solid concrete blocks** having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm (PWD, S.R. 2016-17) (Page No. 24, item No. 5.26.1)									
	Basic Rate =	937.00								
	Area Weightage @8%=	74.96								
	Total Rate =	**1011.96**	Sqm							
	Walls			4	1.8		3	21.60		
								21.60	**1011.96**	**21858.34**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
69	KSRB 4.9.2: Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT bars Fe 500 (PWD, S.R. 2016-17)(Page No. 1, item No. 4.46.2)									
	Basic Rate =	70675.00								
	Area Weightage @8%=	5654.00								
	Total Rate =	**76329.00**	Tonne					0.70		
	Roof Beam @ 140Kg/cum			0.50				0.46		
	Roof Slab @ 90Kg/cum			0.51				**1.16**		
								0.12	**76329.00**	**8826.07**
70	KSRB 2.3 : **Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. specification. No. KBS 2.9 (PWD, S.R. 2016-17)(Page No. 6, item No. 2.10)									
	Basic Rate =	127.00								
	Area Weightage @8%=	10.16								
	Total Rate =	**137.16**	Cum					12.80		
	Sides of wall			4	1.8	0.2	3	4.32		
								8.48	**137.16**	**1163.12**
71	KSRB 15-3.10: Providing 20 mm thick **cement plaster in single coat with CM 1:3** to stone masonry / concrete surface including rounding off corners wherever required smooth rendering: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification (PWD, S.R. 2016-17)(Page No. 114, item No. 15.18)									
	Basic Rate =	259.00								
	Area Weightage @8%=	20.72								
	Total Rate =	**279.72**	Sqm					19.20		
	Walls			4	1.6		3	1.92		
	beams			4	1.6		0.3	**21.12**	**279.72**	**5907.69**
72	KSRB 15-3.13: Providing 12mm thick **cement plastering** in single coat with cement mortar 1:3 to ceiling l including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification. (PWD, S.R. 2016-17)(Page No. 114, item No. 15.21)									
	Basic Rate =	178.00								
	Area Weightage @8%=	14.24								
	Total Rate =	**192.24**	Sqm					2.56		
	Ceiling			1	1.6		1.6	0.36		
	Opening			1	0.6		0.6	**2.20**	**192.24**	**422.93**
73	Providing and fixing **MS door for sump** including cost of labour, materials and one coat of primer paint and two coats of enamel painting etc, as directed by the engineer in charge of work (PWD, S.R. 2016-17)									
	Basic Rate =	3500.00								
	Area Weightage @8%=	280.00								
	Total Rate =	**3780.00**	Sqm					0.36		
	Opening			1	0.6		0.6	**0.36**	**3780.00**	**1360.80**
	Electrical Work									
	Part A- Internal wiring									
74	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.(Page No. 2, Item No.1.1.1 & 1.1.2)									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	a) 19/20mm dia 2mm thick									
	Basic Rate =	**54.00**	Mtr	150				**150.00**	**54.00**	**8100.00**
	b) 25mm dia 2mm thick									
	Basic Rate =	**70.00**	Mtr	130				**130.00**	**70.00**	**9100.00**
75	Concealed Conduit System: Supplying heavy guage PVC conduit pipe ...mm dia ...mm thick confirmingto IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary.(Page No. 2, Item No.1.2.1 & 1.2.2)									
	a) 19/20mm dia 2mm thick									
	Basic Rate =	**43.00**	Mtr	20				**20.00**	**43.00**	**860.00**
	b) 25mm dia 2mm thick									
	Basic Rate =	**57.00**	Mtr	15				**15.00**	**57.00**	**855.00**
76	Groove Cutting : Supplying heavy guage PVC conduit pipe ...mm dia ...mm thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in wall and fixing by using U or J hooks and cement plastering up to the wall surface and run with 18SWG GI fish wire through out the conduit where ever necessary.(Page No. 2, Item No.1.3.1 & 1.3.2)									
	a) 19/20mm dia 2mm thick									
	Basic Rate =	**56.00**	Mtr	60				**60.00**	**56.00**	**3360.00**
	b) 25mm dia 2mm thick									
	Basic Rate =	**58.00**	Mtr	40				**40.00**	**58.00**	**2320.00**
77	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall(Page No. 15, Item No.3.5.1 to 3.5.5)									
	a) 1-3Way									
	Basic Rate =	**91.00**	Each	25				**25.00**	**91.00**	**2275.00**
	b) 4-5Way									
	Basic Rate =	**98.00**	Each	20				**20.00**	**98.00**	**1960.00**
	c) 6Way									
	Basic Rate =	**121.00**	Each	5				**5.00**	**121.00**	**605.00**
	d) 8Way									
	Basic Rate =	**140.00**	Each	15				**15.00**	**140.00**	**2100.00**
	e) 10-12Way									
	Basic Rate =	**159.00**	Each	10				**10.00**	**159.00**	**1590.00**
78	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(Page No. 16, Item No.3.6.1 to 3.6.5)									
	a) 1-3Way									
	Basic Rate =	**109.00**	Each	25				**25.00**	**109.00**	**2725.00**
	b) 4-5Way									
	Basic Rate =	**122.00**	Each	20				**20.00**	**122.00**	**2440.00**
	c) 6Way									
	Basic Rate =	**173.00**	Each	5				**5.00**	**173.00**	**865.00**
	d) 8Way									
	Basic Rate =	**200.00**	Each	15				**15.00**	**200.00**	**3000.00**
	e) 10-12Way									
	Basic Rate =	**267.00**	Each	10				**10.00**	**267.00**	**2670.00**
79	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. (Page No. 16, Item No.3.7)									
	a) 6Amps one way									
	Basic Rate =	**63.00**	Each	52				**52.00**	**63.00**	**3276.00**
	b) 6Amps 3way socket									
	Basic Rate =	**95.00**	Each	4				**4.00**	**95.00**	**380.00**
	c) Stepped Fan Regulator									
	Basic Rate =	**286.00**	Each	16				**16.00**	**286.00**	**4576.00**
	d) 16Amps one way switch									
	Basic Rate =	**114.00**	Each	6				**6.00**	**114.00**	**684.00**
	e) 6/16Amps universal socket									
	Basic Rate =	**147.00**	Each	6				**6.00**	**147.00**	**882.00**
	f) TV/Telephone socket									
	Basic Rate =	**82.00**	Each	1				**1.00**	**82.00**	**82.00**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
80	supplying and wiring adopting loop system in existing PVC conduit / casing capping using **1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm** cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block. complete for each outlet. (Page No. 5, Item No.2.3.1 to 2.3.5)									
	a) Short point up to 3Mtr from tapping point to out let via switch box									
	Basic Rate =	**144.00**	Each	12				12.00	144.00	1728.00
	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box									
	Basic Rate =	**215.00**	Each	45				45.00	215.00	9675.00
	c) Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box									
	Basic Rate =	**334.00**	Each	15				15.00	334.00	5010.00
	d) Two Outlet in a row, above 3.0M unto 6.0M from tapping point to outlet via switch box.									
	Basic Rate =	**423.00**	Each	5				5.00	423.00	2115.00
	e) Three Outlet in a row, above 6.0M unto 10.0M from tapping point to outlet via switch box.									
	Basic Rate =	**593.00**	Each	2				2.00	593.00	1186.00
81	Supplying and fixing **metal Fan box** with Round Hook. (Page No. 3, Item No. 1.12)									
	Basic Rate =	**92.00**	Each	23				23.00	92.00	2116.00
82	Wiring for lighting/power circuit using one of **FRLS PVC** insulated 1100v grade, multistrand **Copper with low** conductor resistance single core cable in open or concealed system of wiring with specified IS-694:1990 & comfirming to GTP of Group-A .(Page No. 6, Item No.2.5.2 to 2.5.6)									
	a) 1.5 sqmm									
	Basic Rate =	**18.60**	Mtr	250				250.00	18.60	4650.00
	b) 2.5 sqmm									
	Basic Rate =	**29.20**	Mtr	500				500.00	29.20	14600.00
	c) 25mm dia 2mm thick									
	Basic Rate =	**42.10**	Mtr	150				150.00	42.10	6315.00
	d) 6 sqmm									
	Basic Rate =	**63.80**	Mtr	50				50.00	63.80	3190.00
	e) 10 sqmm									
	Basic Rate =	**108.00**	Mtr	20				20.00	108.00	2160.00
83	Supplying and fixing regular **MCB distribution boards** on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure.(Page No. 47, Item No.6.17.7, 6.17.8, 6.17.6) **Double door**									
	Double door									
	a) 4 way TP & N									
	Basic Rate =	**2399.00**	Mtr	1				1.00	2399.00	2399.00
	b) 6 way TP & N									
	Basic Rate =	**2867.00**	Mtr	1				1.00	2867.00	2867.00
	b) 12 way SP & N									
	Basic Rate =	**1622.00**	Mtr	1				1.00	1622.00	1622.00
84	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 (Page No. 47, Item No. 6.16.1, 6.16.6, 6.16.5))									
	a) 5-32Amps SP									
	Basic Rate =	**418.00**	Each	10				10.00	418.00	4180.00
	b) 5-32Amps TPN									
	Basic Rate =	**1547.00**	Each	2				2.00	1547.00	3094.00
	c) 40-63Amps TPN									
	Basic Rate =	**1936.00**	Each	2				2.00	1936.00	3872.00
85	Supplying, fixing and wiring eaarth Earth Leakage Miniature Circuit Breaker [ELMCB] 240/250V upto 300mA sensitivity on existing wood/panel board.(Page No. 47, Item No. 6.18.1 & 6.18.4)									
	a) 16-25Amps 2Pole									
	Basic Rate =	**2412.00**	Each	1				1.00	2412.00	2412.00
	b) 32-40Amps 4Pole									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	Basic Rate =	3350.00	Each	1				1.00	3350.00	3350.00
86	Fabricating supplying and mounting **MS box** made out ...SWG suitable for floor I wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete (Page No. 49, Item No. 6.40.1)									
	14 SWG									
	Basic Rate =	0.37	Sqcm	8500				8500.00	0.37	3145.00
87	Supplying .....amps rated 3phase with **neutral bus bar** using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenoliciFRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. (Page No. 49, Item No. 6.38.1)									
	100Amps 4x30x6mm Aluminum Strips									
	Basic Rate =	2135.00	mtr	1				1.00	2135.00	2135.00
88	Supplying fixing angle **iron frame work** fabricated out of M.S angle iron .. And m.S flat.... With bolts, washers etc., and painted with two coats of red oxide and then two coats of approved paint. (Page No. 49, Item No. 6.39.1 & 6.39.4)									
	a) 40x40x6 mm									
	Basic Rate =	263.00	mtr	3				3.00	263.00	789.00
	a) 50x100x50x6 mm									
	Basic Rate =	648.00	mtr	3				3.00	648.00	1944.00
89	Supplying and fixing **Moulded Case Circuit Breaker** (MCCB) .over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Ieu= Ics) (Page No. 46, Item No. 6.13.6)									
	FOUR POLE 100Amps 25kA									
	Basic Rate =	5809.00	Each	1				1.00	5809.00	5809.00
90	Supplying of multi function degital meter with three line backlight LCD type display for voltage , current frequency, power, power factor, KVA, KWH,KVAR suitable for 3 phase, 4 wire LT network with IP 54degree of protection and completely wired as required with communication port and class 0.5s accuracy. (Page No. 48, Item No. 6.31)									
	FOUR POLE 100Amps 25kA									
	Basic Rate =	8003.00	Each	1				1.00	8003.00	8003.00
91	Supplying, fixing and wiring 0 to 600Volts **96x96mm AC Voltmeter** on existing panel/wood board. (Page No. 48,									
	Basic Rate =	390.00	Each	1				1.00	390.00	390.00
92	Supplying, fixing and wiring **50/5 to 400/5Amps** 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound (Page No. 48, Item No. 6.32)									
	Basic Rate =	483.00	Each	1				1.00	483.00	483.00
93	Supplying and fixing of **LED type panel board** indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C (Page No. 48, Item No. 6.36)									
	Basic Rate =	442.00	Each	3				3.00	442.00	1326.00
94	Supplying of on **load change over switches 4 poles**, AC-23A Duty, 415V, 50Hz, AC Supply. (Page No. 45, Item No. 6.11.2) 100-125Amps									
	Basic Rate =	6426.00	Each	1				1.00	6426.00	6426.00
	Part B- Laying of LT UG cable									
95	Supplying of **1.1 KV LT UG cable** having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No.of Strip indicated in GTP & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A (Page No. 55, Item No. 7.4.7 7.4.4)									

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
	a) 3.5 core 50 sqmm									
	Basic Rate =	**265.00**	Mtr	20				**20.00**	**265.00**	**5300.00**
	b) 4 core 16 sqmm									
	Basic Rate =	**140.40**	Mtr	30				**30.00**	**140.40**	**4212.00**
96	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.(Page No. 61, Item No. 7.8.1 & 7.8.2)									
	a) 25 sqmm to 75 sqmm									
	Basic Rate =	**16.20**	Mtr	30				**30.00**	**16.20**	**486.00**
	b) 6 sqmm 16 Sqmm									
	Basic Rate =	**10.80**	Mtr	50				**50.00**	**10.80**	**540.00**
97	Digging of trench of 0.6m deep x 0.50 mtr wide **refiling the trench** to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)(Page No. 61, Item No. 7.9.1) In soil (ordinary)									
	Basic Rate =	**78.00**	Mtr	48				**48.00**	**78.00**	**3744.00**
98	providing and filling sand in **exvated trench** to cover already laid UG cable to a depth of 150mm alround the cable.(Page No. 62, Item No. 7.10)									
	Basic Rate =	**103.00**	Mtr	48				**48.00**	**103.00**	**4944.00**
99	providing and laying in position **100mm dia stone ware** pipe in existing trench (Page No. 62, Item No. 7.11)									
	Basic Rate =	**223.00**	Mtr	28				**28.00**	**223.00**	**6244.00**
100	Supplying and fixing of class A (medium duty) **GI pipe of wall thick ness** not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class.(Page No. 62, Item No. 7.12.3) 65 mm									
	Basic Rate =	**585.00**	Rmt	10				**10.00**	**585.00**	**5850.00**
101	Supplying and fixing **L.T cast iron pot heads** suitable for 1.1 Kv class UG cable filled with necessory bitumin / insulating compound Complete with terminals, clamps, bolts, nuts and washers.(Page No. 62, Item No. 7.13.5)									
	Basic Rate =	**637.00**	Rmt	1				**1.00**	**637.00**	**637.00**
102	Supplying and fiixing of **heavy duty cable glands** suitable for UG cable of 1.1 KV class (metal only)(Page No. 62, Item No. 7.14.6)									
	63mm dia									
	Basic Rate =	**400.00**	Each	2				**2.00**	**400.00**	**800.00**
103	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(Page No. 64, Item No. 7.29.9 & 7.29.4)									
	a) 50 sqmm Long Barrel									
	Basic Rate =	**62.40**	Each	12				**12.00**	**62.40**	**748.80**
	b) 6 sqmm									
	Basic Rate =	**6.25**	Each	12				**12.00**	**6.25**	**75.00**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
104	Supplying fixing and wiring earth **electrode for grounding** of lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm alround with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts. (Page No. 55, Item No. 7.2)									
	Basic Rate =	**4317.00**	Each	4				**4.00**	**4317.00**	**17268.00**
105	Supplying and running of GI/**Copper strips** for grounding connections, using necessary fixing materials as required. (Page No. 55, Item No. 7.3.2) GI strip 25x6mm									
	Basic Rate =	**118.00**	Mtr	60				**60.00**	**118.00**	**7080.00**
	Part C- Providing light fixtures and accessories									
106	Supplying of 2' feet - **LED PVC Square Batten** ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition (Page No. 25, Item No. 4.29.2) **LED light fighting 4' - 28 watts**									
	Basic Rate =	**1774.00**	Each	16				**16.00**	**1774.00**	**28384.00**
107	Supplying and fixing **PBBC/Bakelite straight** or slant batten holder and wiring with 60w/230 volts lamp. (Page No. 20, Item No. 4.2)									
	Basic Rate =	**183.00**	Each	17				**17.00**	**183.00**	**3111.00**
108	Supplying capacitor type **ceiling fan** complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. (Page No. 78, Item No. 9.3.2.1) 56" Sweep (1400mm) Regular moduel									
	Basic Rate =	**2418.00**	Each	20				**20.00**	**2418.00**	**48360.00**
109	Supplying **exhaust fan of 1440 RPM** of 300mm (12") sizewith bracket blades complete for light duty suitable to operate on 230V 50Hz. AC Supply (Page No. 78, Item No. 9.1)									
	Basic Rate =	**1700.00**	Each	2				**2.00**	**1700.00**	**3400.00**
110	Fixing all types and all capacities **fluorescent / false ceiling/spotlight/ CFLfittings indoor on the wall/ ceiling/rafters / girders** using 23/0.0076" twin twisted RVC insulated wires, required nos of round blocks and clamps (if required) (Page No. 78, Item No. 9.1)									
	Basic Rate =	**98.00**	Each	36				**36.00**	**98.00**	**3528.00**
111	Fixing **fluorescent light** using 2mtr long 19mm 18 SWG enameled braised conduit of two Nos. rod pendent with ball socket with check nuts all nickel plated (Page No. 109, Item No. 17.7.4)									
	Basic Rate =	**504.00**	Each	28				**28.00**	**504.00**	**14112.00**
112	Fixing a ceiling /Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps.ceiling rose,necessary length of 23/0.0076 inch PVC insulated twin twisted copper wire of approved quality, mounted on a suitable aize wooden board and wired(Page No. 109, Item No. 17.9)									
	Basic Rate =	**237.00**	Each	20				**20.00**	**237.00**	**4740.00**

Sl. No.	Description of works		Unit		L	B	D	Quantity	Rate(in Rs.)	Amount (In Rs.)
113	Fixing a ceiling fan with extra length of GI pipe of class B 19mm dia for down rod(Page No. 109, Item No. 17.10)									
	Basic Rate =	164.00	Each	20				20.00	164.00	3280.00
114	Fixing one **Exhast fan in the nitch** already left in the wall with bolts and nets and 5 amps. Ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire. (Page No. 109, Item No. 17.12)									
	Basic Rate =	412.00	Each	20				20.00	412.00	8240.00
	TOTAL									3894764.83

Certificate:

1) The Work spot has been inspected and found to be necessory
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessory and minimum
4) The estimate is based on C.S.R 2016-2017 and approved rates

Assistant Engineer
Yalahanka Project
BBMP

Assistant Executive Engineer
Yalahanka Project
BBMP

Executive Engineer
Yalahanka Project
BBMP

22/8/18